ABSTRACT

1	A flexible mesoscopic heat exchanger is provided by the invention.
2	The heat exchanger of the invention includes uniform microchannels for fluid
3	flow. Separate header and channel layers include microchannels for fluid flow
4	and heat exchange. A layered structure with channels aligned in multiple
5	orientations in the layers permits the use of a flexible material without channel
6	sagging and provides uniform flows. In a preferred embodiment, layers are heat
7	sealed, e.g., by a preferred lamination fabrication process.